

# Study on the Requirement of Nitrogen Sources by Scheffersomyces Stipitis NRRL Y-7124 to Produce Ethanol from Xylose Based-media

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Short introductive summary:

This study aimed at evaluating the requirement of nitrogen sources by the yeast Scheffersomyces stipitis NRRL Y-7124 to produce ethanol from xylose based-media. Different nitrogen sources were evaluated, which were used to supplement a defined xylose-based medium and also the hemicellulosic hydrolysate produced from rice straw. Interesting results were achieved, which revealed that it is important to add nitrogen sources to the medium to achieve efficient ethanol production by this yeast strain. However, from rice straw hydrolysate medium, the nitrogen supplementation was not necessary, suggesting that this hydrolysate contains enough nitrogen source to provide an efficient xylose conversion to ethanol.

Presenter: **Solange MUSSATTO, Technical University of Denmark, Novo Nordisk Foundation Center for Biosustainability, Kongens Lyngby, DENMARK**

Presenter's biography:

Solange Mussatto is Head of a Research Group at the Technical University of Denmark. She has over 18 years of expertise in the areas of Biomass Pretreatment and Fermentation Technology with focus on the development of processes for a sustainable conversion of biomass into bio-based products.

*Biographies and Short introductive summaries are supplied directly by presenters and are published here unedited*

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